

09/928463

Search results

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for  
Paper #12

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L13</u>	neuro\$ near10 antisense and insect\$ near5 control\$	38	<u>L13</u>
<u>L12</u>	neuro\$ near10 insect\$ near10 antisense	0	<u>L12</u>
<u>L11</u>	neurotransmission near10 insect\$ near10 antisense	0	<u>L11</u>
<u>L10</u>	L9 and double near5 RNA	23	<u>L10</u>
<u>L9</u>	L7 and insect near5 control\$	71	<u>L9</u>
<u>L8</u>	L7 and insect near5 control\$	0	<u>L8</u>
<u>L7</u>	(baculovir\$ or nuclear near polyhedrosis) near10 vector\$ and sense near5 antisense	2407	<u>L7</u>
<u>L6</u>	(baculovir\$ or nuclear near polyhedrosis) near10 sense near5 antisense	2	<u>L6</u>
<u>L5</u>	(baculovir\$ or nuclear near polyhedrosis) near10 double near5 strand\$ near5 RNA	1	<u>L5</u>
<u>L4</u>	(baculovir\$ or nuclear near polyhedrosis) near10 double near5 strand\$	67	<u>L4</u>
<u>L3</u>	(baculovir\$ or nuclear near polyhedrosis) near10 double near5 RNA	0	<u>L3</u>
<u>L2</u>	(baculovir\$ or nuclear near polyhedrosis) near10 antisense	4	<u>L2</u>
<u>L1</u>	5763400 [pn]	2	<u>L1</u>

END OF SEARCH HISTORY

[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 38 of 38 returned.**

- 
- ☐ 1. 20020173005 . 05 Mar 02. 21 Nov 02. Methods and materials relating to novel CD39-like polypeptides. Ford, John, et al. 435/69.1; 435/226 435/320.1 435/325 536/23.2 C12N009/64 C07H021/04 C12P021/02 C12N005/06.
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- ☐ 2. 20020156009 . 02 Nov 01. 24 Oct 02. Novel interleukin - 1 Hy2 materials and methods. Ballinger, Dennis, et al. 514/12; 530/350 A61K038/17 C07K014/435.
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- ☐ 3. 20020150898 . 22 Mar 01. 17 Oct 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 435/6; 435/183 435/320.1 435/325 435/69.1 514/12 530/350 530/388.1 536/23.2 C12Q001/68 A61K038/17 C07H021/04 C12N009/00 C12P021/02 C12N005/06 C07K016/40.
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- ☐ 4. 20020146757 . 14 Mar 01. 10 Oct 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 435/69.1; 435/183 435/320.1 435/325 514/12 530/388.1 536/23.2 A61K038/17 C07H021/04 C12N009/00 C12P021/02 C12N005/06 C07K016/40.
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- ☐ 6. 20020142953 . 16 Apr 01. 03 Oct 02. Materials and methods relating to lipid metabolism. Ballinger, Dennis G., et al. 514/12; 435/196 435/320.1 435/325 435/69.1 530/359 536/23.2 A61K038/17 C07H021/04 C12N009/16 C12P021/02 C12N005/06 C07K014/775.
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- ☐ 8. 20020142302 . 13 Feb 01. 03 Oct 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 435/6; 435/183 435/320.1 435/325 435/69.1 514/12 530/350 530/388.1 C12Q001/68 A61K038/17 C12P021/02 C12N005/06 C07K016/40 C12N009/00.
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- ☐ 9. 20020137044 . 30 Jan 01. 26 Sep 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 435/6; 424/130.1 435/69.1 435/7.1 514/2 530/324 530/387.9 536/23.1 A01N037/18 A61K038/00 C12Q001/68 G01N033/53 C07H021/02 C07H021/04 C12P021/06 A61K039/395 C07K005/00 C07K007/00 C07K016/00 C07K017/00 C12P021/08.
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- ☐ 11. 20020128187 . 30 Nov 00. 12 Sep 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 514/12; 435/320.1 435/325 435/69.1 530/350 536/23.5 A61K038/17 C07K014/705 C12P021/02 C12N005/06.
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- ☐ 12. 20020127199 . 22 Mar 01. 12 Sep 02. Novel nucleic acids and polypeptides. Tang, Y. Tom, et al. 424/85.1; 435/320.1 435/325 435/6 435/69.5 435/7.1 530/351 536/23.1 C12Q001/68 G01N033/53 C07H021/04 C12P021/02 C12N005/06 A61K038/19.
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- ☐ 14. 20020107386 . 01 Feb 02. 08 Aug 02. Methods and compositions relating to bone-derived growth factor-like polypeptides. Ford, John E.. 536/23.5; 435/320.1 435/325 435/6 435/69.4 530/399 C12Q001/68 C07H021/04 C12P021/02 C12N005/06 C07K014/51.
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- ☐ 17. 20020012968 . 20 Mar 01. 31 Jan 02. Novel drosophila tumor necrosis factor class molecule ("DmTNF") and variants thereof. Carroll, Pamela M., et al. 435/69.5; 435/348 435/7.1 530/351 800/13 G01N033/53 A01K067/033 C12P021/02 C12N005/06 C07K014/52.
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- ☐ 19. 6489124 . 25 Mar 94; 03 Dec 02. Human NR2A binding assay. Foldes; Robert, et al. 435/7.2; 435/7.1 435/7.21. G01N033/53.
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- ☐ 21. 6476211 . 25 Apr 00; 05 Nov 02. Methods and materials relating to CD39-like polypeptides. Ford; John, et al. 536/23.5; 435/252.3 435/320.1 435/6 435/69.1. C07H021/04.
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- ☐ 22. 6465620 . 21 Jun 00; 15 Oct 02. Methods and materials relating to novel von Willebrand/Thrombospondin-like polypeptides and polynucleotides. Boyle; Bryan J., et al. 530/350; 435/6 435/69.1 435/7.1 530/300. C07K001/00.
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- ☐ 23. 6447771 . 09 Aug 99; 10 Sep 02. Methods and materials relating to novel CD39-like polypeptides. Ford; John, et al. 424/94.61; A61K038/47.
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- ☐ 24. 6436703 . 22 Sep 00; 20 Aug 02. Nucleic acids and polypeptides. Tang; Y. Tom, et al. 435/325; 435/320.1 536/23.1 536/23.5. C12N015/12 C12N005/00.
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- ☐ 25. 6426191 . 08 Dec 99; 30 Jul 02. Assays involving an IL-1 receptor antagonist. Ford; John, et al. 435/7.8; 435/7.1 435/7.2 436/501 436/512. G01N033/53.
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- ☐ 26. 6423682 . 06 Aug 99; 23 Jul 02. Sprouty related growth factor antagonist (FGFAn-Hy) materials and methods. Ballinger; Dennis G., et al. 514/2; 435/69.1 435/69.4 530/399. A61K038/18 C12N015/12 C07K014/475.
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- ☐ 27. 6392019 . 28 Jul 99; 21 May 02. Antibodies specific for EGF motif proteins. Ford; John, et al. 530/387.9; 530/300 530/350 530/387.1 530/388.1 530/389.1. C07K002/00 C07K014/00 C07K016/00 C07K016/18.
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- ☐ 28. 6392018 . 12 Feb 99; 21 May 02. EGF MOTIF protein obtained from a cDNA library of fetal liver-spleen. Ford; John, et al. 530/351; 424/85.1 530/324 530/326 530/350. C07K017/00 C07K007/04
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A61K045/00 A61K038/00.

- ☐ 29. 6372892 . 10 Mar 00; 16 Apr 02. Interleukin--1 Hy2 materials and methods. Ballinger; Dennis G., et al. 530/389.2; 530/350 530/351. C07K017/00 C07K016/00.
- ☐ 30. 6365726 . 22 May 00; 02 Apr 02. Polynucleotides encoding IL-1 Hy2 polypeptides. Ballinger; Dennis G., et al. 536/23.52; 435/320.1 435/69.1 435/69.52 536/23.1 536/23.5 536/24.31. C07H021/04 C12P021/06 C12N015/00 C12N015/06.
- ☐ 31. 6350447 . 29 Jan 99; 26 Feb 02. Methods and compositions relating to CD39-like polypeptides and nucleic acids. Chadwick; Brian Paul, et al. 424/94.6; 435/195 514/12 530/350. A61K038/46 C12N009/14 C07K014/435.
- ☐ 32. 6339141 . 20 May 99; 15 Jan 02. Interleukin-1 Hy2 materials and methods. Ballinger; Dennis G., et al. 530/351; 424/143.1 424/145.1 424/85.2. C07K017/00 A61K045/00 A61K039/395.
- ☐ 33. 6337072 . 07 Jul 99; 08 Jan 02. Interleukin-1 receptor antagonist and recombinant production thereof. Ford; John, et al. 424/198.1; 424/1.69 435/252.3 435/320.1 435/325 435/69.1 435/69.52 514/2 530/350 530/351 530/402 536/23.5. C07K014/54 C07K021/04 A61K038/20.
- ☐ 34. 6335013 . 30 Jun 00; 01 Jan 02. Methods and materials relating to CD39-like polypeptides. Ford; John, et al. 424/94.61; 514/12. A61K038/47.
- ☐ 35. 6294655 . 13 Oct 99; 25 Sep 01. Anti-interleukin-1 receptor antagonist antibodies and uses thereof. Ford; John, et al. 530/388.23; 424/134.1 424/139.1 424/141.1 424/145.1 435/7.1 436/501 530/350 530/387.9 530/388.1 530/388.15 530/389.1 530/391.1 530/391.3 536/23.5. C07K016/18 C12P021/08.
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- ☐ 37. 5985354 . 07 Jun 95; 16 Nov 99. Preparation of multiwall polymeric microcapsules from hydrophilic polymers. Mathiowitz; Edith, et al. 427/2.21; 424/492 424/493 424/496 424/497 427/2.22 427/213.31 427/213.35 514/963 514/965. A61K009/52 B01J013/06 B01J013/20.
- ☐ 38. US 5985354 A . One-step method for forming multilayered microspheres of hydrophilic, water-soluble polymers for use in controlled-delivery systems for drugs, insecticides, fertilizers, detergents and perfumes. CHICKERING, D E, et al. A61K009/52 B01J013/06 B01J013/20.

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Terms	Documents
neuro\$ near10 antisense and insect\$ near5 control\$	38

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## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name****First Name**

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LIGHT set on as ''

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? begin 5,6,55,154,155,156,312,399,biotech,biosci

>>> 135 is unauthorized

Set Items Description

--- -----  
? s (baculovir? or nuclear (n) polyhedrosis) (10) antisense

>>>Invalid syntax

? s (baculovir? or nuclear (n) polyhedrosis) (10n) antisense

Processed 30 of 35 files ...

Processing

Completed processing all files

76457 BACULOVIR?

3905472 NUCLEAR

29148 POLYHEDROSIS

26736 NUCLEAR(N) POLYHEDROSIS

164218 ANTISENSE

S1 77 (BACULOVIR? OR NUCLEAR (N) POLYHEDROSIS) (10N) ANTISENSE

? rd s1

...examined 50 records (50)

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in RD set

...completed examining records

S2 31 RD S1 (unique items)

? d s2/3/1-31

Display 2/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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13465847 BIOSIS NO.: 200200094668

Insect control agent.

AUTHOR: Liu Leo(a); Chouinard Scott; Velema James

AUTHOR ADDRESS: (a)Weston, MA\*\*USA

JOURNAL: Official Gazette of the United States Patent and Trademark Office  
Patents 1253 (1):pNo Pagination Dec. 4, 2001

MEDIUM: e-file

ISSN: 0098-1133

DOCUMENT TYPE: Patent

RECORD TYPE: Abstract

LANGUAGE: English

- end of record -

?

Display 2/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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12215044 BIOSIS NO.: 199900509893

A baculovirus anti-apoptosis gene homolog of the Trichoplusia ni  
granulovirus.

AUTHOR: Bideshi Dennis K; Anwar Amina T; Federici Brian A(a)

AUTHOR ADDRESS: (a)Graduate Program in Genetics, University of California,  
Riverside, Riverside, CA, 92521\*\*USA

JOURNAL: Virus Genes 19 (2):p95-101 1999

ISSN: 0920-8569

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

- end of record -

?

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DIALOG(R)File 5:Biosis Previews(R)

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10787245 BIOSIS NO.: 199799408390



Insecticidal activity of a recombinant **baculovirus** containing an **antisense** c-myc fragment.

AUTHOR: Lee Sun-Young; Qu Xinyoung; Chen Wenbin; Poloumienko Arkadi;  
Macafee Mancy; Morin Benoit; Lucarotti Christopher; Krause Margarida(a)  
AUTHOR ADDRESS: (a)Div. Mol. Microbiol., Dep. Biol., Univ. New Brunswick,  
Fredericton, NB E3B 6E1\*\*Canada  
JOURNAL: Journal of General Virology 78 (1):p273-281 1997  
ISSN: 0022-1317  
RECORD TYPE: Abstract  
LANGUAGE: English

- end of record -

? d s2/9/3

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DIALOG(R)File 5:Biosis Previews(R)  
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10787245 BIOSIS NO.: 199799408390

Insecticidal activity of a recombinant **baculovirus** containing an **antisense** c-myc fragment.

AUTHOR: Lee Sun-Young; Qu Xinyoung; Chen Wenbin; Poloumienko Arkadi;  
Macafee Mancy; Morin Benoit; Lucarotti Christopher; Krause Margarida(a)  
AUTHOR ADDRESS: (a)Div. Mol. Microbiol., Dep. Biol., Univ. New Brunswick,  
Fredericton, NB E3B 6E1\*\*Canada  
JOURNAL: Journal of General Virology 78 (1):p273-281 1997  
ISSN: 0022-1317  
RECORD TYPE: Abstract  
LANGUAGE: English

ABSTRACT: Attempts to develop baculovirus-based insecticides by insertion of genes encoding enzyme inhibitors, neuropeptides or toxins have met with some success. However, it is often difficult to ensure correct processing or secretion of the encoded peptides. Here we tested a simpler

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strategy by insertion of an antisense fragment of a host gene to block translation of a protein essential for larval growth and development. We selected the c-myc gene for two main reasons: (i) its protein is known to be well conserved in evolution and to have multiple essential functions during development; and (ii) c-myc family genes have yet to be characterized in insects, thus blockage of essential genes by antisense transcripts from a strong virus promoter could provide a sensitive test for the existence of myc-like gene products. An appropriate fragment of the human c-myc gene was inserted downstream from the polyhedrin promoter of Autographa californica nucleopolyhedrovirus and tested in bioassays on Spodoptera frugiperda larvae. Western blot analysis with a human c-myc antibody revealed an endogenous protein band which bound specifically to these antibodies. This band disappeared more rapidly from cells infected with the antisense c-myc recombinant virus than from those infected with c-myc-negative virus. Results of bioassays showed that the antisense construct stopped feeding as soon as the polyhedrin promoter-driven transcripts accumulated, followed shortly by death of the larvae. These

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results suggest that c-myc-like protein(s) exist in insects and that the

antisense strategy is an effective approach to virus insecticide production.

DESCRIPTORS:

MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Economic Entomology; General Life Studies; Genetics; Microbiology; Pest Assessment Control and Management; Pharmacology; Physiology  
BIOSYSTEMATIC NAMES: Baculoviridae--Viruses; Lepidoptera--Insecta, Arthropoda, Invertebrata, Animalia; Viruses-General--Viruses  
ORGANISMS: baculovirus (Baculoviridae); virus (Viruses - General); Autographa californica nucleopolyhedrovirus (Baculoviridae); Spodoptera frugiperda (Lepidoptera)  
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): animals; arthropods; insects; invertebrates; microorganisms; viruses  
MISCELLANEOUS TERMS: Research Article; ANTISENSE C-MYC FRAGMENT; ANTISENSE STRATEGY; BACULOVIRUS-BASED INSECTICIDES; BIOCONTROL AGENT;

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? d s2/3/4-31

Display 2/3/4 (Item 4 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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08269206 BIOSIS NO.: 000094050379

DISSIMILAR EXPRESSION OF AUTOGRAPHA-CALIFORNICA MULTIPLE NUCLEOCAPSID

NUCLEAR POLYHEDROSIS VIRUS POLYHEDRIN AND P10 GENES

AUTHOR: ROELVINK P W; VAN MEER M M M; DE KORT C A D; POSSEE R D; HAMMOCK B D; VLAK J M

AUTHOR ADDRESS: DEP. VIROL., AGRIC. UNIV. WAGENINGEN, P.O. BOX 8045, 6700 EM WAGENINGEN, NETH.

JOURNAL: J GEN VIROL 73 (6). 1992. 1481-1489. 1992

FULL JOURNAL NAME: Journal of General Virology

CODEN: JGVIA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

- end of record -

?

Display 2/3/5 (Item 5 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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07611615 BIOSIS NO.: 000091129499

THE INFLUENCE OF **ANTISENSE** RNA ON TRANSCRIPTIONAL MAPPING OF THE 5'

TERMINUS OF A **BACULOVIRUS** RNA

AUTHOR: OOI B G; MILLER L K

AUTHOR ADDRESS: HUMAN MOLECULAR GENETICS, ROOM S921, BAYLOR COLL. MED., 1 BAYLOR PLAZA, HOUSTON, TEX. 77030, USA.

JOURNAL: J GEN VIROL 72 (3). 1991. 527-534. 1991

FULL JOURNAL NAME: Journal of General Virology

CODEN: JGVIA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

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?

Display 2/3/6 (Item 6 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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07247936 BIOSIS NO.: 000090027812

TRANSCRIPTION OF THE **BACULOVIRUS** POLYHEDRIN GENE REDUCES THE LEVELS OF AN **ANTISENSE** TRANSCRIPT INITIATED DOWNSTREAM

AUTHOR: OOI B G; MILLER L K  
AUTHOR ADDRESS: DEP. GENETICS, UNIV. GEORGIA, ATHENS, GEORGIA 30602.  
JOURNAL: J VIROL 64 (6). 1990. 3126-3129. 1990  
FULL JOURNAL NAME: Journal of Virology  
CODEN: JOVIA  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

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? d s2/9/6

Display 2/9/6 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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07247936 BIOSIS NO.: 000090027812  
TRANSCRIPTION OF THE **BACULOVIRUS** POLYHEDRIN GENE REDUCES THE LEVELS  
OF AN **ANTISENSE** TRANSCRIPT INITIATED DOWNSTREAM  
AUTHOR: OOI B G; MILLER L K  
AUTHOR ADDRESS: DEP. GENETICS, UNIV. GEORGIA, ATHENS, GEORGIA 30602.  
JOURNAL: J VIROL 64 (6). 1990. 3126-3129. 1990  
FULL JOURNAL NAME: Journal of Virology  
CODEN: JOVIA  
RECORD TYPE: Abstract  
LANGUAGE: ENGLISH

ABSTRACT: A late 3.2-kilobase (kb) RNA initiated approximately 2 kb  
downstream of the 3' end of the Autographa californica nuclear polyhedros  
virus polyhedrin-coding sequence and traversed the polyhedrin gene in an  
antisense direction. This RNA was sense RNA for the two open reading  
frames flanking the polyhedrin gene. A mutant virus, vXpoly, which

-more-

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Display 2/9/6 (Item 6 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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differs from wild-type virus only at the essential RNA initiation site in  
the polyhedrin promoter, exhibited higher levels of the 3.2-kb RNA than  
did wild-type virus during the polyhedrin transcriptional phase. Thus,  
transcription of the polyhedrin gene down regulates the levels of this  
3.2-kb RNA.

DESCRIPTORS: AUTOGRAPHICA-CALIFORNICA NUCLEAR POLYHEDROSIS VIRUS  
CONCEPT CODES:

10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines  
10300 Replication, Transcription, Translation  
13014 Metabolism-Nucleic Acids, Purines and Pyrimidines  
31500 Genetics of Bacteria and Viruses  
33506 Virology-Animal Host Viruses  
10506 Biophysics-Molecular Properties and Macromolecules

BIOSYSTEMATIC CODES:

02214 Baculoviridae (1979- )  
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):

-more-

? d s2/3/7-31

Display 2/3/7 (Item 1 from file: 154)  
DIALOG(R)File 154:MEDLINE(R)

13449541 22007974 PMID: 12011362  
Isolation and characterization of homogentisate phytyltransferase genes  
from Synechocystis sp. PCC 6803 and Arabidopsis.  
Savidge Beth; Weiss James D; Wong Yun-Hua H; Lassner Michael W; Mitsky

Timothy A; Shewmaker Christine K; Post-Beittenmiller Dusty; Valentin Henry E

Monsanto Company, Calgene Campus, 1920 Fifth Street, Davis, California 95616, USA.

Plant physiology (United States) May 2002, 129 (1) p321-32, ISSN 0032-0889 Journal Code: 0401224

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

?

Display 2/3/8 (Item 2 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

12873817 21522541 PMID: 11665579

Reconstitution of G protein-coupled receptors with recombinant G protein alpha and beta gamma subunits.

McIntire William E; Myung Chang-Seon; MacCleery Gavin; Wang Qi; Garrison James C

Department of Pharmacology, University of Virginia Health System, Charlottesville, Virginia 22908, USA.

Methods in enzymology (United States) 2002, 343 p372-93, ISSN 0076-6879 Journal Code: 0212271

Contract/Grant No.: DK-19952; DK; NIDDK

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

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Display 2/3/9 (Item 3 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

10045745 99033097 PMID: 9813207

The potential role of a late gene expression factor, lef2, from Bombyx mori nuclear polyhedrosis virus in very late gene transcription and DNA replication.

Sriram S; Gopinathan K P

Department of Microbiology and Cell Biology, Indian Institute of Science, Bangalore, 560 012, India.

Virology (UNITED STATES) Nov 10 1998, 251 (1) p108-22, ISSN 0042-6822 Journal Code: 0110674

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

- end of record -

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Display 2/3/10 (Item 4 from file: 154)

DIALOG(R)File 154:MEDLINE(R)

09861718 98301992 PMID: 9638145

Identification and characterization of the Spodoptera littoralis nucleopolyhedrovirus type B lef-3 gene.

Wolff J L; Herzog L M; Sun L; Levin D B

Department of Biology, University of Victoria, Canada.

Archives of virology (AUSTRIA) 1998, 143 (4) p743-67, ISSN 0304-8608 Journal Code: 7506870

Document type: Journal Article

Languages: ENGLISH  
Main Citation Owner: NLM  
Record type: Completed

- end of record -

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Display 2/3/11 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

137333871 CA: 137(23)333871r DISSERTATION  
The search for myc-family genes in lepidopteran insects: strategies and applications  
AUTHOR(S): Lee, Sun-Young  
LOCATION: Univ. of New Brunswick, Fredericton, NB, Can.,  
DATE: 2000 PAGES: 192 pp. CODEN: DABBBA LANGUAGE: English CITATION:  
Diss. Abstr. Int., B 2002, 62(10), 4377 AVAIL: UMI, Order No. DANQ62172

- end of record -

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Display 2/3/12 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

136289899 CA: 136(19)289899j PATENT  
Use of antisense DNA to human and mouse inhibitor of apoptosis proteins as gene therapy for cancer and other cell proliferation disorders  
INVENTOR(AUTHOR): Korneluk, Robert G.; Lacasse, Eric; Baird, Stephen; Holcik, Martin; Young, Sean  
LOCATION: Can.,  
ASSIGNEE: University of Ottawa; Aegera Therapeutics, Inc.  
PATENT: PCT International ; WO 200226968 A2 DATE: 20020404  
APPLICATION: WO 2001CA1379 (20010927) \*US 672717 (20000928)  
PAGES: 135 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/11A  
DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CO; CR; CU; CZ; DE; DK; DM; DZ; EC; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO; NZ; PH; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ

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Display 2/3/12 (Item 2 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; TR; BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG

- end of record -

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Display 2/3/13 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

135206479 CA: 135(15)206479c PATENT  
Human G protein-coupled receptors and uses in treatment of mental disorder  
INVENTOR(AUTHOR): Vogeli, Gabriel; Wood, Linda S.; Parodi, Luis A.; Lind, Peter  
LOCATION: USA  
ASSIGNEE: Pharmacia + Upjohn Company

PATENT: PCT International ; WO 200162797 A2 DATE: 20010830  
APPLICATION: WO 2001US5676 (20010223) \*US PV184305 (20000223) \*US  
PV184304 (20000223) \*US PV184303 (20000223) \*US PV184397 (20000223) \*US  
PV184247 (20000223) \*US PV186457 (20000302) \*US PV186810 (20000303) \*US  
PV188064 (20000309) \*US PV188880 (20000313) \*US PV194344 (20000403) \*US  
PV213861 (20000623) \*US PV217370 (20000711) \*US PV217369 (20000711) \*US  
PV218337 (20000714) \*US PV218492 (20000720)  
PAGES: 279 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C07K-014/72A;  
C12N-015/63B; C12N-015/11B; C07K-001/14B; C12Q-001/68B; G01N-033/53B;

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Display 2/3/13 (Item 3 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
C07K-016/28B; A61K-038/17B; A61K-039/395B DESIGNATED COUNTRIES: AE; AG; AL  
; AM; AT; AU; AZ; BA; BB; BG; BR; BY; BZ; CA; CH; CN; CR; CU; CZ; DE; DK;  
DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG;  
KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; MZ; NO;  
NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US;  
UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM  
DESIGNATED REGIONAL: GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW; AT;  
BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; TR; BF;  
BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

- end of record -

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Display 2/3/14 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
  
134203090 CA: 134(15)203090n JOURNAL  
A search for the c-myc gene in insects: Baculoviruses as tools for  
antisense suppression and biopesticide construction  
AUTHOR(S): Lee, Sun-Young; Krause, Margarida O.  
LOCATION: Department of Biology, University of New Brunswick, Fredericton  
, NB, Can., E3B 6E1  
JOURNAL: Recent Res. Dev. Virol. DATE: 1999 VOLUME: 1 NUMBER: Pt. 2  
PAGES: 399-406 CODEN: RRDVFH LANGUAGE: English PUBLISHER: Transworld  
Research Network

- end of record -

? d s2/9/14

Display 2/9/14 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
  
134203090 CA: 134(15)203090n JOURNAL  
A search for the c-myc gene in insects: Baculoviruses as tools for  
antisense suppression and biopesticide construction  
AUTHOR(S): Lee, Sun-Young; Krause, Margarida O.  
LOCATION: Department of Biology, University of New Brunswick, Fredericton  
, NB, Can., E3B 6E1  
JOURNAL: Recent Res. Dev. Virol. DATE: 1999 VOLUME: 1 NUMBER: Pt. 2  
PAGES: 399-406 CODEN: RRDVFH LANGUAGE: English PUBLISHER: Transworld  
Research Network  
SECTION:  
CA203000 Biochemical Genetics  
CA205XXX Agrochemical Bioregulators  
CA212XXX Nonmammalian Biochemistry  
IDENTIFIERS: review gene cmyc antisense AcMNPV baculovirus biopesticide  
DESCRIPTORS:  
Pesticides...

-more-

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Display 2/9/14 (Item 4 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
biol.; search for c-myc gene in insects, baculoviruses as tools for  
antisense suppression and biopesticide construction  
Gene, animal... Transcription factors...  
c-myc; search for c-myc gene in insects, baculoviruses as tools for  
antisense suppression and biopesticide construction  
Primers(nucleic acid)...  
DNA, myc-like specific; search for c-myc gene in insects, baculoviruses  
as tools for antisense suppression and biopesticide construction  
Antisense DNA...  
human gene myc-specific; search for c-myc gene in insects,  
baculoviruses as tools for antisense suppression and biopesticide  
construction  
Spodoptera frugiperda...  
larva of; search for c-myc gene in insects, baculoviruses as tools for  
antisense suppression and biopesticide construction  
DNA...  
primer, myc-like specific; search for c-myc gene in insects,

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? d s2/3/15-31

Display 2/3/15 (Item 5 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
  
132118071 CA: 132(10)118071w JOURNAL  
Dissecting insect development: baculovirus-mediated gene silencing in  
insects  
AUTHOR(S): Hajos, J. P.; Vermunt, A. M. W.; Zuidema, D.; Kulcsar, P.;  
Varjas, L.; De Kort, C. A. D.; Zavodszky, P.; Vlak, J. M.  
LOCATION: Department of Virology, Agricultural University Wageningen,  
6709 PD, Wageningen, Neth.  
JOURNAL: Insect Mol. Biol. DATE: 1999 VOLUME: 8 NUMBER: 4 PAGES:  
539-544 CODEN: IMBIE3 ISSN: 0962-1075 LANGUAGE: English PUBLISHER:  
Blackwell Science Ltd.

- end of record -

?

Display 2/3/16 (Item 6 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
  
130007395 CA: 130(1)7395u PATENT  
Modified baculovirus containing exogenous nucleic acid for delivery of  
said nucleic acid to hepatocytes  
INVENTOR(AUTHOR): McGarvey, Michael Joseph; Thomas, Howard Christopher  
LOCATION: UK,  
ASSIGNEE: Imperial College Innovations Ltd.  
PATENT: PCT International ; WO 9848842 A1 DATE: 19981105  
APPLICATION: WO 98GB1249 (19980429) \*GB 978698 (19970429)  
PAGES: 25 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: A61K-048/00A;  
C12N-015/86B DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY;  
CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS;  
JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX;  
NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US;  
UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH  
; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE;

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? d s2/9/15-16

Display 2/9/15 (Item 5 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.

132118071 CA: 132(10)118071w JOURNAL

Dissecting insect development: baculovirus-mediated gene silencing in insects

AUTHOR(S): Hajos, J. P.; Vermunt, A. M. W.; Zuidema, D.; Kulcsar, P.; Varjas, L.; De Kort, C. A. D.; Zavodszky, P.; Vlak, J. M.

LOCATION: Department of Virology, Agricultural University Wageningen, 6709 PD, Wageningen, Neth.

JOURNAL: Insect Mol. Biol. DATE: 1999 VOLUME: 8 NUMBER: 4 PAGES: 539-544 CODEN: IMBIE3 ISSN: 0962-1075 LANGUAGE: English PUBLISHER: Blackwell Science Ltd.

SECTION:

CA203002 Biochemical Genetics

CA205XXX Agrochemical Bioregulators

CA212XXX Nonmammalian Biochemistry

IDENTIFIERS: antisense RNA juvenile hormone esterase baculovirus gene silencing insect

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Display 2/9/15 (Item 5 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.

DESCRIPTORS:

Insecticides...

    baculovirus; recombinant baculovirus expressing antisense juvenile hormone esterase mRNA inhibits juvenile hormone esterase biosynthesis in hemolymph in *Heliothis virescens* larvae

Antisense RNA... Gene, animal... *Heliothis virescens*... Hemolymph... Larva

...

    recombinant baculovirus expressing antisense juvenile hormone esterase mRNA inhibits juvenile hormone esterase biosynthesis in hemolymph in *Heliothis virescens* larvae

*Autographa californica* nucleopolyhedrovirus...

    recombinant; recombinant baculovirus expressing antisense juvenile hormone esterase mRNA inhibits juvenile hormone esterase biosynthesis in hemolymph in *Heliothis virescens* larvae

Transcriptional regulation...

    repression; recombinant baculovirus expressing antisense juvenile hormone esterase mRNA inhibits juvenile hormone esterase biosynthesis

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Display 2/9/15 (Item 5 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.

    in hemolymph in *Heliothis virescens* larvae

CAS REGISTRY NUMBERS:

50812-15-2 recombinant baculovirus expressing antisense juvenile hormone esterase mRNA inhibits juvenile hormone esterase biosynthesis in hemolymph in *Heliothis virescens* larvae

- end of record -

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Display 2/9/16 (Item 6 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.



130007395 CA: 130(1)7395u PATENT

Modified baculovirus containing exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

INVENTOR(AUTHOR): McGarvey, Michael Joseph; Thomas, Howard Christopher

LOCATION: UK,

ASSIGNEE: Imperial College Innovations Ltd.

PATENT: PCT International ; WO 9848842 A1 DATE: 19981105

APPLICATION: WO 98GB1249 (19980429) \*GB 978698 (19970429)

PAGES: 25 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: A61K-048/00A;

C12N-015/86B DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; GM; GW; HU; ID; IL; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG; US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; ML; MR; NE;

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Display 2/9/16 (Item 6 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.

SN; TD; TG

SECTION:

CA263005 Pharmaceuticals

CA203XXX Biochemical Genetics

IDENTIFIERS: baculovirus vector gene delivery liver

DESCRIPTORS:

Ribozymes...

antisense oligonucleotide encoding; modified baculovirus contg.

exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Prodrugs...

conversion of; modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

HBx protein... Interferon .alpha.... Interleukin 12... .alpha.-Fetoproteins

...

gene encoding; modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Capsid proteins... Envelope proteins...

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Display 2/9/16 (Item 6 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

(c) 2002 American Chemical Society. All rts. reserv.

HBV gene encoding; modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Antisense oligonucleotides... Antiviral agents... Baculoviridae... Drug delivery systems... Genetic vectors... Hepatitis B virus... Hepatitis C virus... Hepatocyte... Hepatoma inhibitors... Liver tumors... Nucleic acids... Promoter(genetic element)...

modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Human herpesvirus...

thymidine kinase gene of; modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Genes(microbial)...

thymidine kinase-encoding; modified baculovirus contg. exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

Proteins(specific proteins and subclasses)...

VP22, herpes simplex gene encoding; modified baculovirus contg.

exogenous nucleic acid for delivery of said nucleic acid to hepatocytes

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Display 2/9/16 (Item 6 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.  
CAS REGISTRY NUMBERS:  
9031-50-9 gene encoding, of HBV; modified baculovirus contg. exogenous  
nucleic acid for delivery of said nucleic acid to hepatocytes  
9001-15-4 9002-06-6 gene encoding; modified baculovirus contg. exogenous  
nucleic acid for delivery of said nucleic acid to hepatocytes

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Display 2/3/17 (Item 7 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

128240344 CA: 128(20)240344v PATENT  
Use of an insect baculovirus to express an exogenous gene in a mammalian  
cell for treating cancer, gene deficiency, or neurol. disorders  
INVENTOR(AUTHOR): Boyce, Frederick M.  
LOCATION: USA  
ASSIGNEE: General Hospital Corporation; Boyce, Frederick M.  
PATENT: PCT International ; WO 9812311 A2 DATE: 19980326  
APPLICATION: WO 97US16042 (19970911) \*US 26294 (19960911)  
PAGES: 87 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/00A  
DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN;  
CU; CZ; DE; DK; EE; ES; FI; GB; GE; HU; IL; IS; JP; KE; KG; KP; KR; KZ; LC;  
LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD;  
SE; SG; SI; SK; TJ; TM; TR; TT; UA; UG; US; UZ; VN; AM; AZ; BY; KG; KZ; MD;  
RU; TJ; TM DESIGNATED REGIONAL: GH; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH  
; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG;  
CI; CM; GA; GN; ML; MR; NE; SN; TD; TG

- end of record -

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Display 2/3/18 (Item 8 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

128189185 CA: 128(16)189185q PATENT  
Galactosyltransferase-comprising baculovirus expression system for  
hepatocyte-targeted gene expression and treatment of liver diseases  
INVENTOR(AUTHOR): Jarvis, Donald L.; Lanford, Robert  
LOCATION: USA  
ASSIGNEE: Texas A & M University System; Southwest Foundation for  
Biomedical Research; Jarvis, Donald L.; Lanford, Robert  
PATENT: PCT International ; WO 9806855 A1 DATE: 19980219  
APPLICATION: WO 97US14504 (19970815) \*US 24078 (19960816)  
PAGES: 247 pp. CODEN: PIXXD2 LANGUAGE: English CLASS: C12N-015/54A;  
C12N-015/79B; C12N-007/01B DESIGNATED COUNTRIES: AL; AM; AT; AU; AZ; BA;  
BB; BG; BR; BY; CA; CH; CN; CU; CZ; DE; DK; EE; ES; FI; GB; GE; GH; HU; IL;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MD; MG; MK; MN; MW;  
MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; UA; UG;  
US; UZ; VN; YU; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM  
DESIGNATED REGIONAL: GH; KE; LS; MW; SD; SZ; UG; ZW; AT; BE; CH; DE; DK;

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Display 2/3/18 (Item 8 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
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ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA;  
GN; ML; MR; NE; SN; TD; TG

- end of record -

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Display 2/3/19 (Item 9 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

126182667 CA: 126(14)182667y PATENT  
Insect viruses carrying antisense DNA expression cassettes for inhibition  
of insect pest growth and development  
INVENTOR(AUTHOR): Krause, Margarida; Qu, Xinyong; Chen, Wenbin  
LOCATION: Can.,  
ASSIGNEE: Queen's University At Kingston  
PATENT: Canada Pat Appl ; CA 2177509 AA DATE: 19961202  
APPLICATION: CA 2177509 (19960528) \*US 457752 (19950601)  
PAGES: 27 pp. CODEN: CPXXEB LANGUAGE: English CLASS: A01N-063/00A

- end of record -

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Display 2/3/20 (Item 10 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

120262680 CA: 120(21)262680p DISSERTATION  
Baculovirus genes with similarity to Autographa californica nuclear  
polyhedrosis virus gp64: potential regulation by antisense RNA molecules  
AUTHOR(S): Aquilla, Thomas Tracy  
LOCATION: Univ. California, Riverside, CA, USA  
DATE: 1993 PAGES: 164 pp. CODEN: DABBBA LANGUAGE: English CITATION:  
Diss. Abstr. Int. B 1994, 54(8), 3965 AVAIL: Univ. Microfilms Int., Order  
No. DA9402356

- end of record -

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Display 2/3/21 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

11107516 Genuine Article#: 608PK No. References: 38  
Title: Temporal expression profile of late gene expression factor 4 from  
Bombyx mori nucleopolyhedrovirus  
Author(s): Sehrawat S; Gopinathan KP (REPRINT)  
Corporate Source: Indian Inst Sci, Dept Microbiol & Cell Biol, Bangalore  
560012/Karnataka/India/ (REPRINT); Indian Inst Sci, Dept Microbiol &  
Cell Biol, Bangalore 560012/Karnataka/India/  
Journal: GENE, 2002, V294, N1-2 (JUL 10), P67-75  
ISSN: 0378-1119 Publication date: 20020710  
Publisher: ELSEVIER SCIENCE BV, PO BOX 211, 1000 AE AMSTERDAM, NETHERLANDS  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

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Display 2/3/22 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

01161465 Genuine Article#: GA643 No. References: 56  
Title: TRANSGENIC PLANTS AND INSECT CELLS EXPRESSING THE COAT PROTEIN OF  
ARABIS MOSAIC-VIRUS PRODUCE EMPTY VIRUS-LIKE PARTICLES  
Author(s): BERTIOLI DJ; HARRIS RD; EDWARDS ML; COOPER JI; HAWES WS  
Corporate Source: NERC, INST VIROL & ENVIRONM MICROBIOL, MANSFIELD RD/OXFORD

OX1 3SR//ENGLAND/; UNIV OXFORD,DEPT PLANT SCI/OXFORD OX1 3RB//ENGLAND/  
Journal: JOURNAL OF GENERAL VIROLOGY, 1991, V72, AUG, P1801-1809  
Language: ENGLISH Document Type: ARTICLE (Abstract Available)

- end of record -

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Display 2/3/23 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2002 BLDSC all rts. reserv. All rts. reserv.

00121199 INSIDE CONFERENCE ITEM ID: CN001215980  
Manipulating Neuronal Genes in Cell Culture: **Antisense** Suppression  
and **Baculoviral** Expression

Kosik, K.

CONFERENCE: Ins and outs of genes: knockouts and transfers-Short course  
SHORT COURSE SYLLABUS- SOCIETY FOR NEUROSCIENCE, 1993//PT1 P: 41-48  
The Society, 1993

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: Society for Neuroscience

CONFERENCE LOCATION: Washington, DC

CONFERENCE DATE: Nov 1993 (199311) (199311)

- end of record -

? d s2/9/23

Display 2/9/23 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2002 BLDSC all rts. reserv. All rts. reserv.

00121199 INSIDE CONFERENCE ITEM ID: CN001215980  
Manipulating Neuronal Genes in Cell Culture: **Antisense** Suppression  
and **Baculoviral** Expression

Kosik, K.

CONFERENCE: Ins and outs of genes: knockouts and transfers-Short course  
SHORT COURSE SYLLABUS- SOCIETY FOR NEUROSCIENCE, 1993//PT1 P: 41-48  
The Society, 1993

LANGUAGE: English DOCUMENT TYPE: Conference Papers

CONFERENCE SPONSOR: Society for Neuroscience

CONFERENCE LOCATION: Washington, DC

CONFERENCE DATE: Nov 1993 (199311) (199311)

BRITISH LIBRARY ITEM LOCATION: 8268.614000

DESCRIPTORS: genes; neuroscience; knockouts; transfers

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Display 2/3/24 (Item 1 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2002 INIST/CNRS. All rts. reserv.

11643702 PASCAL No.: 94-0495936

Regulation de la transcription de genes precoces exprimes par le  
baculovirus AcMNPV dans des cellules d'insectes

(Regulation of the transcription of early genes expressed by AcMNPV  
baculovirus in insects cells)

OHRESSER Marl; DEVAUCHELLE Gerard, dir

Universite d'Aix-Marseille 2, Francee

Univ.: Universite d'Aix-Marseille 2. FRA Degree: Th. doct.

1994-02; 1994 185 p.

Language: French Summary Language: French; English

- end of record -

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Display 2/3/25 (Item 2 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2002 INIST/CNRS. All rts. reserv.

09617957 PASCAL No.: 91-0408402

The influence of **antisense** RNA on transcriptional mapping of the 5' terminus of a **baculovirus** RNA

BENG GUAT OOI; MILLER L K

Univ. Georgia, dep. entomology genetics, Athens GA 30602, USA

Journal: Journal of general virology, 1991, 72 (3) 527-534

Language: English

- end of record -

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Display 2/3/26 (Item 3 from file: 144)  
DIALOG(R)File 144:Pascal  
(c) 2002 INIST/CNRS. All rts. reserv.

09295471 PASCAL No.: 91-0085845

Transcription of the **baculovirus** polyhedrin gene reduces the levels of an **antisense** transcript initiated downstream

BENG GUAT OOI; MILLER L K

Univ. Georgia, dep. entomology, Athens GA 30602, USA

Journal: Journal of Virology, 1990, 64 (6) 3126-3129

Language: English

- end of record -

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Display 2/3/27 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0294714 DBR Accession No.: 2002-16561

Temporal expression profile of late gene expression factor 4 from *Bombyx mori* nucleopolyhedrovirus - vector-mediated gene transfer, expression in host cell, DNA primer and polymerase chain reaction for recombinant protein production and gene expression profiling

AUTHOR: SEHRAWAT S; GOPINATHAN KP

CORPORATE AFFILIATE: Indian Inst Sci

CORPORATE SOURCE: Gopinathan KP, Indian Inst Sci, Dept Microbiol and Cell

Biol, Bangalore 560012, Karnataka, India

JOURNAL: GENE (294, 1-2, 67-75) 2002

ISSN: 0378-1119

LANGUAGE: English

- end of record -

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Display 2/3/28 (Item 2 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0259564 DBR Accession No.: 2000-14054 PATENT

Novel nucleic acid encoding human melanin concentrating hormone receptor useful for treating cardiovascular disorders, hypertension and diabetes, whose mutant form is activated by melanin concentrating hormone - vector-mediated gene transfer, expression in host cell recombinant protein production, agonist, antagonist, antibody, antisense oligonucleotide and DNA probe for disease therapy

AUTHOR: Salon J A; Laz T M; Nagorny R; Wilson A E

CORPORATE SOURCE: Paramus, NJ, USA.

PATENT ASSIGNEE: Synaptic-Pharm. 2000

PATENT NUMBER: WO 200039279 PATENT DATE: 20000706 WPI ACCESSION NO.:

2000-548644 (2050)  
PRIORITY APPLIC. NO.: US 224426 APPLIC. DATE: 19981231  
NATIONAL APPLIC. NO.: WO 99US31169 APPLIC. DATE: 19991230  
LANGUAGE: English

- end of record -

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Display 2/3/29 (Item 3 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0251633 DBR Accession No.: 2000-06123 PATENT  
New recombinant baculo virus, for use in human gene therapy of nervous  
system diseases - recombinant virus vector-mediated beta-galactosidase  
sense or antisense gene transfer and expression in rat striatum for  
e.g. Alzheimer disease gene therapy  
AUTHOR: Sarkis C; Mallett J  
CORPORATE SOURCE: Antony, France.  
PATENT ASSIGNEE: Rhone-Poulenc-Rorer 2000  
PATENT NUMBER: WO 200005394 PATENT DATE: 20000203 WPI ACCESSION NO.:  
2000-182713 (2016)  
PRIORITY APPLIC. NO.: US 122792 APPLIC. DATE: 19990304  
NATIONAL APPLIC. NO.: WO 99FR1813 APPLIC. DATE: 19990723  
LANGUAGE: French

- end of record -

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Display 2/3/30 (Item 4 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0164918 DBR Accession No.: 94-07469 PATENT  
Gene transmission in Spodoptera frugiperda insect cell culture using  
Autographa californica baculo virus vector containing (-) sense RNA -  
potential antisense RNA gene therapy  
PATENT ASSIGNEE: CSIRO 1994  
PATENT NUMBER: WO 9408022 PATENT DATE: 940414 WPI ACCESSION NO.:  
94-135586 (9416)  
PRIORITY APPLIC. NO.: AU 924974 APPLIC. DATE: 920928  
NATIONAL APPLIC. NO.: WO 93AU495 APPLIC. DATE: 930928  
LANGUAGE: English

- end of record -

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Display 2/3/31 (Item 5 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0118038 DBR Accession No.: 91-05680  
Development of novel genetically engineered antisense insect viruses as  
improved viral insecticides - Autographa californica **nuclear-**  
**polyhedrosis** virus gp64, neural protein or detoxification enzyme  
**antisense** DNA gene cloning; antisense RNA; biological control  
agent (conference abstract)  
AUTHOR: Sivasubramanian N; Hice R H  
CORPORATE SOURCE: Department of Entomology, University of California,  
Riverside, California 92521, USA.  
JOURNAL: J.Cell.Biochem. (Suppl.15D, 33) 1991  
CODEN: JCEBD5  
LANGUAGE: English

- end of display -

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Display 2/9/31 (Item 5 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0118038 DBR Accession No.: 91-05680

Development of novel genetically engineered antisense insect viruses as improved viral insecticides - Autographa californica **nuclear-polyhedrosis** virus gp64, neural protein or detoxification enzyme **antisense** DNA gene cloning; antisense RNA; biological control agent (conference abstract)

AUTHOR: Sivasubramanian N; Hice R H

CORPORATE SOURCE: Department of Entomology, University of California, Riverside, California 92521, USA.

JOURNAL: J.Cell.Biochem. (Suppl.15D, 33) 1991

CODEN: JCEBD5

LANGUAGE: English

ABSTRACT: Autographa californica nuclear-polyhedrosis virus (NPV) gp64 gene, controlling occluded to extracellular NPV conversion, was cloned. The gp64 mRNAs (2.1 kb) were produced at 2 hr post-infection (p.i.), peaked at 24 hr p.i. and then declined. Antisense RNAs (3.3, 7.3 and 10

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Display 2/9/31 (Item 5 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
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kb) appeared 12 hr p.i., peaked at 24 hr p.i. and then declined. Antisense RNA blocked transcription of gp64 genes and reduced the level of gp64 on the infected cell surface. Both the mRNA and antisense RNA were transcribed in the same region of DNA. This naturally occurring antisense mechanism in NPVs may be exploited to form biological control agents with increased virulence, toxicity or host range. Recombinant NPVs may be developed with antisense host genes, e.g producing antisense RNA against a vital host cellular mRNA. Antisense DNA encoding insect neural proteins may be introduced. Alternatively, antisense-antiresistance insect viruses can be formed, in which antisense RNA is directed against the cellular mRNAs of various detoxification enzymes. These viruses may confer susceptibility to low levels of insecticides on insects. (0 ref)

DESCRIPTORS: Autographa californica **nuclear-polyhedrosis** virus glycoprotein gp64, neural protein, detoxification enzyme, etc. **antisense** DNA gene cloning, antisense RNA expression, biol.control agent for insect arthropod

-more-

? (baculovir\$ or nuclear (n) polyhedrosis) (10n) RNA (5n) inhbit? (5n) gene?  
>>>When using accession numbers with KEEP in OneSearch, you  
>>>must use the FROM option to specify a file number.  
? s (baculovir\$ or nuclear (n) polyhedrosis) (10n) RNA (5n) inhibit? (5n) gene?  
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Processed 20 of 35 files ...  
Processing  
Processed 30 of 35 files ...  
Completed processing all files

0 BACULOVIR\$  
3905472 NUCLEAR  
29148 POLYHEDROSIS  
26736 NUCLEAR(N) POLYHEDROSIS  
2331267 RNA  
7386694 INHIBIT?  
21331941 GENE?  
S3 6 (BACULOVIR\$ OR NUCLEAR (N) POLYHEDROSIS) (10N) RNA (5N)  
INHIBIT? (5N) GENE?

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Display 3/3/1 (Item 1 from file: 312)  
DIALOG(R)File 312:CA SEARCH(R)  
(c) 1997 American Chemical Society. All rts. reserv.

113001284 CA: 113(1)1284j JOURNAL  
Transcription of the baculovirus polyhedrin gene reduces the levels of an  
antisense transcript initiated downstream  
AUTHOR(S): Ooi, Beng Guat; Miller, Lois K.  
LOCATION: Dep. Entomol., Univ. Georgia, Athens, GA, 30602, USA  
JOURNAL: J. Virol. DATE: 1990 VOLUME: 64 NUMBER: 6 PAGES: 3126-9  
CODEN: JOVIAM ISSN: 0022-538X LANGUAGE: English

- end of record -

?

Display 3/3/2 (Item 1 from file: 399)  
DIALOG(R)File 399:CA SEARCH(R)  
(c) 2002 American Chemical Society. All rts. reserv.

113001284 CA: 113(1)1284j JOURNAL  
Transcription of the baculovirus polyhedrin gene reduces the levels of an  
antisense transcript initiated downstream  
AUTHOR(S): Ooi, Beng Guat; Miller, Lois K.  
LOCATION: Dep. Entomol., Univ. Georgia, Athens, GA, 30602, USA  
JOURNAL: J. Virol. DATE: 1990 VOLUME: 64 NUMBER: 6 PAGES: 3126-9  
CODEN: JOVIAM ISSN: 0022-538X LANGUAGE: English

- end of record -

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Display 3/3/3 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.

06690736 Genuine Article#: ZK860 No. References: 56  
Title: The short Sendai virus leader region controls induction of  
programmed cell death  
Author(s): Garcin D; Taylor G; Tanebayashi K; Compans R; Kolakofsky D  
(REPRINT)  
Corporate Source: UNIV GENEVA, SCH MED, DEPT GENET & MICROBIOL, CMU, 9 AVE  
CHAMPEL/CH-1211 GENEVA//SWITZERLAND/ (REPRINT); UNIV GENEVA, SCH MED,  
DEPT GENET & MICROBIOL, CMU/CH-1211 GENEVA//SWITZERLAND/; INST ANIM  
HLTH, /NEWBURY RG20 7NN/BERKS/ENGLAND/; EMORY UNIV, SCH MED, DEPT  
MICROBIOL & IMMUNOL/ATLANTA//GA/30322  
Journal: VIROLOGY, 1998, V243, N2 (APR 10), P340-353  
ISSN: 0042-6822 Publication date: 19980410  
Publisher: ACADEMIC PRESS INC JNL-COMP SUBSCRIPTIONS, 525 B ST, STE 1900,  
SAN DIEGO, CA 92101-4495  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

- end of record -

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Display 3/3/4 (Item 2 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2002 Inst for Sci Info. All rts. reserv.



04145714    Genuine Article#: RH854    No. References: 46  
 Title: VACCINIA, COWPOX, AND CAMELPOX VIRUSES ENCODE SOLUBLE  
       GAMMA-INTERFERON RECEPTORS WITH NOVEL BROAD SPECIES-SPECIFICITY  
 Author(s): ALCAMI A; SMITH GL  
 Corporate Source: UNIV OXFORD,SIR WILLIAM DUNN SCH PATHOL,S PARKSRD/OXFORD  
       OX1 3RE//ENGLAND/; UNIV OXFORD,SIR WILLIAM DUNN SCH PATHOL/OXFORD OX1  
       3RE//ENGLAND/  
 Journal: JOURNAL OF VIROLOGY, 1995, V69, N8 (AUG), P4633-4639  
 ISSN: 0022-538X  
 Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

- end of record -

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      Display 3/3/5        (Item 3 from file: 34)  
 DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
 (c) 2002 Inst for Sci Info. All rts. reserv.

02452442    Genuine Article#: LB794    No. References: 36  
 Title: IDENTIFICATION AND CHARACTERIZATION OF LEF-1, A BACULOVIRUS GENE  
       INVOLVED IN LATE AND VERY LATE GENE-EXPRESSION  
 Author(s): PASSARELLI AL; MILLER LK  
 Corporate Source: UNIV GEORGIA,DEPT GENET/ATHENS//GA/30602; UNIV  
       GEORGIA,DEPT GENET/ATHENS//GA/30602; UNIV GEORGIA,DEPT  
       ENTOMOL/ATHENS//GA/30602  
 Journal: JOURNAL OF VIROLOGY, 1993, V67, N6 (JUN), P3481-3488  
 ISSN: 0022-538X  
 Language: ENGLISH    Document Type: ARTICLE    (Abstract Available)

- end of record -

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      Display 3/3/6        (Item 1 from file: 144)  
 DIALOG(R)File 144:Pascal  
 (c) 2002 INIST/CNRS. All rts. reserv.

09295471    PASCAL No.: 91-0085845  
 Transcription of the baculovirus polyhedrin gene reduces the levels of an  
 antisense transcript initiated downstream  
 BENG GUAT OOI; MILLER L K  
 Univ. Georgia, dep. entomology, Athens GA 30602, USA  
 Journal: Journal of Virology, 1990, 64 (6) 3126-3129  
 Language: English

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 ? e au=liu, leo

Ref	Items	Index-term
E1	1	AU=LIU, LENVIS
E2	1	AU=LIU, LENXU
E3	3	*AU=LIU, LEO
E4	9	AU=LIU, LEO X
E5	23	AU=LIU, LEO X.
E6	1	AU=LIU, LEO Y.
E7	3	AU=LIU, LEO YUHSIANG
E8	2	AU=LIU, LEO ZHAOQING
E9	3	AU=LIU, LEON X
E10	3	AU=LIU, LEON X.
E11	2	AU=LIU, LEON XUECAI
E12	4	AU=LIU, LEONARD

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Ref	Items	Index-term
E1	1	AU-LI
E2	1	AU-LINES
E3	0	*AU-LIU LEO
E4	2	AU-LOADED
E5	1	AU-L3-SHELL
E6	4	AU-M
E7	1	AU-MARKED
E8	1	AU-MARKED RUTHERFORD BACKSCATTERING TECHNIQUE
E9	1	AU-MEDIATED
E10	3	AU-METAL
E11	1	AU-METALLOID
E12	5	AU-MG

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Ref	Items	Index-term
E1	1	AU=LIU LEKAI
E2	11	AU=LIU LENNA L
E3	5	*AU=LIU LEO
E4	33	AU=LIU LEO X
E5	2	AU=LIU LEON
E6	1	AU=LIU LEON -X.
E7	6	AU=LIU LEON X
E8	2	AU=LIU LEONITA G
E9	2	AU=LIU LEONITA L
E10	1	AU=LIU LEQUN
E11	1	AU=LIU LERONG
E12	2	AU=LIU LEROY

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? s (RNA (5n) interference or "RNA-i") and (baculovir? or nuclear (n) polyhedrosis)  
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2332417 RNA  
449541 INTERFERENCE  
6491 RNA(5N)INTERFERENCE  
76 RNA-I  
76497 BACULOVIR?  
3906929 NUCLEAR  
29152 POLYHEDROSIS  
26737 NUCLEAR(N)POLYHEDROSIS  
S1 28 (RNA (5N) INTERFERENCE OR "RNA-I") AND (BACULOVIR? OR  
NUCLEAR (N) POLYHEDROSIS)

? rd s1  
>>>Record 266:276622 ignored; incomplete bibliographic data, not retained -  
in RD set  
...completed examining records  
S2 14 RD S1 (unique items)  
? d s2/9/1-14  
Display 2/9/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2002 BIOSIS. All rts. reserv.

13536791 BIOSIS NO.: 200200165612

**RNA interference**, a method of regulating host function and  
protein production.

AUTHOR: Kramer Shannon Fawn(a); Bentley William E(a)

AUTHOR ADDRESS: (a)Center for Agricultural Biotechnology/Department of  
Chemical Engineering, University of Maryland, Plant Science Building room  
5115, College Park, MD, 20742\*\*USA

JOURNAL: Molecular Biology of the Cell 12 (Supplement):p521a Nov, 2001

MEDIUM: print

CONFERENCE/MEETING: 41st Annual Meeting of the American Society for Cell  
Biology Washington DC, USA December 08-12, 2001

ISSN: 1059-1524

RECORD TYPE: Citation

LANGUAGE: English

DESCRIPTORS:

MAJOR CONCEPTS: Methods and Techniques; Molecular Genetics (Biochemistry

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Display 2/9/1 (Item 1 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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and Molecular Biophysics)

BIOSYSTEMATIC NAMES: **Baculoviridae**--Animal Viruses, Viruses,  
Microorganisms; Lepidoptera--Insecta, Arthropoda, Invertebrata,  
Animalia

ORGANISMS: Trichoplusia ni (Lepidoptera)--host, larva; **baculovirus**  
(**Baculoviridae**)--pathogen

BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animal Viruses; Animals;  
Arthropods; Insects; Invertebrates; Microorganisms; Viruses

CHEMICALS & BIOCHEMICALS: RNA; UV-optimized green fluorescent protein;  
metamorphosis-related genes; protease-related genes

METHODS & EQUIPMENT: **RNA interference** method--molecular  
genetic method

MISCELLANEOUS TERMS: Meeting Abstract

CONCEPT CODES:

00520 General Biology-Symposia, Transactions and Proceedings of  
Conferences, Congresses, Review Annuals

03502 Genetics and Cytogenetics-General

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Display 2/9/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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03506 Genetics and Cytogenetics-Animal  
10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines  
25502 Developmental Biology-Embryology-General and Descriptive  
31500 Genetics of Bacteria and Viruses  
33506 Virology-Animal Host Viruses  
64076 Invertebrata, Comparative and Experimental Morphology, Physiology  
and Pathology-Insecta-Physiology

BIOSYSTEMATIC CODES:

02603 **Baculoviridae** (1993- )  
75330 Lepidoptera

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Display 2/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

12874280 BIOSIS NO.: 200100081429

An essential role for the caspase Dronc in developmentally programmed cell death in *Drosophila*.

AUTHOR: Quinn Leonie M; Dorstyn Loretta; Mills Kathryn; Colussi Paul A; Chen Po; Coombe Michelle; Abrams John; Kumar Sharad; Richardson Helena(a)

AUTHOR ADDRESS: (a)Peter MacCullum Cancer Institute, St. Andrew Place, Melbourne, VIC, 3002: sharad.kumar@imvs.sa.gov.au, h.richardson@pmci.unimelb.edu.au\*\*Australia

JOURNAL: Journal of Biological Chemistry 275 (51):p40416-40424 December 22, 2000

MEDIUM: print

ISSN: 0021-9258

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

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Display 2/9/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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ABSTRACT: Dronc is a caspase recruitment domain-containing *Drosophila* caspase that is expressed in a temporally and spatially restricted fashion during development. Dronc is the only fly caspase known to be regulated by the hormone ecdysone. Here we show that ectopic expression of dronc in the developing fly eye leads to increased cell death and an ablated eye phenotype that can be suppressed by halving the dosage of the genes in the H99 complex (reaper, hid, and grim) and enhanced by mutations in diap1. In contrast to previous reports, we show that the dronc eye ablation phenotype can be suppressed by coexpression of the **baculoviral** caspase inhibitor p35. Dronc also interacts, both genetically and biochemically, with the CED-4/Apaf-1 fly homolog, Dark. Furthermore, extracts made from Dark homozygous mutant flies have reduced ability to process Dronc, showing that Dark is required for Dronc processing. Finally, using the **RNA interference** technique, we show that loss of Dronc function in early *Drosophila* embryos results in a dramatic decrease in cell death, indicating that Dronc is important for

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programmed cell death during embryogenesis. These results suggest that  
Dronc is a key caspase mediating programmed cell death in Drosophila.

REGISTRY NUMBERS: 3604-87-3Q: ECDYSONE; 5289-74-7Q: ECDYSONE  
DESCRIPTORS:

MAJOR CONCEPTS: Enzymology (Biochemistry and Molecular Biophysics);  
Development; Methods and Techniques  
BIOSYSTEMATIC NAMES: Diptera--Insecta, Arthropoda, Invertebrata, Animalia  
ORGANISMS: Drosophila (Diptera); S12 cell line (Diptera)  
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): Animals; Arthropods; Insects;  
Invertebrates  
CHEMICALS & BIOCHEMICALS: Dronc caspase; ecdysone  
GENE NAME: Drosophila grim gene (Diptera); Drosophila hid gene (Diptera);  
Drosophila reaper gene (Diptera)  
METHODS & EQUIPMENT: PCR {polymerase chain reaction}--DNA amplification,  
amplification method, in-situ recombinant gene expression detection,  
sequencing techniques; SDS-PAGE {SDS-polyacrylamide gel

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Display 2/9/2 (Item 2 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
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electrophoresis}--analytical method, electrophoretic techniques;  
Western blot--detection method, detection/labeling techniques, gene  
mapping; immunoprecipitation--isolation method, precipitation  
techniques; protein binding assay--analytical method, binding assays  
MISCELLANEOUS TERMS: embryogenesis; programmed cell death  
CONCEPT CODES:  
10802 Enzymes-General and Comparative Studies; Coenzymes  
02506 Cytology and Cytochemistry-Animal  
03506 Genetics and Cytogenetics-Animal  
10062 Biochemical Studies-Nucleic Acids, Purines and Pyrimidines  
10064 Biochemical Studies-Proteins, Peptides and Amino Acids  
25502 Developmental Biology-Embryology-General and Descriptive  
64076 Invertebrata, Comparative and Experimental Morphology, Physiology  
and Pathology-Insecta-Physiology  
BIOSYSTEMATIC CODES:  
75314 Diptera

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Display 2/9/3 (Item 3 from file: 5)  
DIALOG(R)File 5:Biosis Previews(R)  
(c) 2002 BIOSIS. All rts. reserv.  
12383322 BIOSIS NO.: 200000136824  
Debcl, a proapoptotic Bcl-2 homologue, is a component of the Drosophila  
melanogaster cell death machinery.  
AUTHOR: Colussi Paul A; Quinn Leonie M; Huang David C S; Coombe Michelle;  
Read Stuart H; Richardson Helena; Kumar Sharad(a)  
AUTHOR ADDRESS: (a)Hanson Centre for Cancer Research, IMVS, Rundle Mall,  
Adelaide, SA, 5000\*\*Australia  
JOURNAL: Journal of Cell Biology. 148 (4):p703-714 Feb. 21, 2000  
ISSN: 0021-9525  
DOCUMENT TYPE: Article  
RECORD TYPE: Abstract

LANGUAGE: English  
SUMMARY LANGUAGE: English

ABSTRACT: Bcl-2 family of proteins are key regulators of apoptosis. Both proapoptotic and antiapoptotic members of this family are found in

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Display 2/9/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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mammalian cells, but no such proteins have been described in insects. Here, we report the identification and characterization of Debcl, the first Bcl-2 homologue in *Drosophila melanogaster*. Structurally, Debcl is similar to Bax-like proapoptotic Bcl-2 family members. Ectopic expression of Debcl in cultured cells and in transgenic flies causes apoptosis, which is inhibited by coexpression of the **baculovirus** caspase inhibitor P35, indicating that Debcl is a proapoptotic protein that functions in a caspase-dependent manner. debcl expression correlates with developmental cell death in specific *Drosophila* tissues. We also show that debcl genetically interacts with diap1 and dark, and that debcl-mediated apoptosis is not affected by gene dosage of rpr, hid, and grim. Biochemically, Debcl can interact with several mammalian and viral prosurvival Bcl-2 family members, but not with the proapoptotic members, suggesting that it may regulate apoptosis by antagonizing prosurvival Bcl-2 proteins. **RNA interference** studies indicate that Debcl is required for developmental apoptosis in *Drosophila* embryos. These results suggest that the main components of the mammalian apoptosis